PHONE CONTACT RECORD - SERVICE ENGINEERING DEPARTMENT SERVICE GROUP #: 05
DATE 86-02-37 V.I.N55 Reiow MDH NO
VEH. DEL. DATE MILES/KMS
NAME A. WEDNER REGION ALBERTA
DEALERS NAME There Were Dunus un
UNNERS NAME RED DOER. PHONE NO.
SRAKE BOOSTER VALUUM SURLY SYSTEM FREEZING
DESCRIPTION OF PROBLEMACTION TIMEN THE M BODY VEHILLES LISTED BOTON PLL SUFFERED FRETZE UP OF THE CRAME BOSTER VALUAM SUPPLY HOSE. THIS RESILITED IN COMPLETE LOSS OF BRAKING ASSIST.
RED DOOR AUTO RENTALS, LETTERS TO RED DICK HOLDING.
YIM METERGE
183RG 26 PX FX 537190 10-05-16 39510
1838626 PXFX 584039 01-14-10 25292
1838G26PEFX 584040 01-14-07 27185
1000400101 10101 2/183
PRIVATELY OWNED VOTILLES.
PRIVATELY OWNED USWILLDS.
PRIVATELY OWNED WOMENS. 1838 FGG P3 FX 583728 — 25620 1838 G2G F6 FXG 29755 — 15613
PRIVATELY OWNED WOMELOS. 1038 FG D P 3 F X 5 X 3 7 3 7 8 7 7 5 6 2 0 1838 G 2 G F G F X G 2 9 7 5 7 15 6 1 3 THE FREEZE MAY CONDITION ON MLL THE ABOVE
PRIVATELY OWNED WANLES. 1838 FOLD PSEX 583788 — 25620 1838 FOLD FOF FX 6 2975 — 15613 THE PREEZE MAN CONDITION ON ALL THE MEDINE
PRIVATELY OWNED WANLES. 1838 FOLD PSEX 583788 — 25620 1838 FOLD FOF FX 6 2975 — 15613 THE PREEZE MAN CONDITION ON ALL THE MEDINE
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PRIVATELY OWNED DEPICTURES. 1838 FELD P3FX 533788 25620 1838 G26 F6 FX 6 29755 15613 THE FREEZE MAN CONDITION ON ALL THE MEANE PENCLES HIS BEST EXMINISTED BY REPORTING THE BOSLIFES VACHUM SONCE TO THE WITHE MANIFOLD. PROBLEM REGISTERE WITH: L. STILE'S
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PRIVATELY OWNED DEPICTURES. 1838 FELD P3FX 533788 25620 1838 G26 F6 FX 6 29755 15613 THE FREEZE MAN CONDITION ON ALL THE MEANE PENCLES HIS BEST EXMINISTED BY REPORTING THE BOSLIFES VACHUM SONCE TO THE WITHE MANIFOLD. PROBLEM REGISTERE WITH: L. STILE'S

ENGINEERING ANALYSIS CLOSING REPORT

SUBJECT. Alleged Loss of Power Brake Assist in Low Temperature Jones in 984 rough 198 Chr oporation Vehicles Equipped With 5. Liter

No. 188- :e_O: 1ed: (01/8) Date Closed:

EASIS: This matter originated as an COI Preliminary luation. 'PEST-013) on January 6,1987.

THE ALLEGED DEFECT: The alleged defect indressed in this analysis is the loss of power brake assist due to brake booster vacuum hose port in the base of the carburetor becoming blocked with frozen moisture after extended periods of highway driving in low ambient temperatures.

DESCRIPTION OF THE COMPONENT OR VEHICLE SYSTEM: THE subject vehicles are equipped with 8-cylinder engines of 5.2 "its displacement

CORRESPONDENCE: MHTSA to Mfg. to Mf to NHTSA Mfg NHTSA Supplement
01/1-187 03-16-87 None
05/13/6 None
05/13/6 None

PPOBLEM EXPERIENCE:	-, ^	STA		EA CLOSED	
Reports	ODI	MFG	US;	MFG	
-Owners	0		0	3	
Field	c		0	1	
Lawsuits			. 0	0_	
Property Dan je	0		2	0	
Injury/Acrident	0		0	0	
Fatality Accidenti/		0	. 0	0	
Unknown Accidents	0		0		
_Canadian Reports	0			20	

000,50 No.50

Vehi le lates by Model Model Yes (Estiglises

	Model	Engine*	. 984	1905	1986	283
Cars:	-					
~	Ply Gran Fury	P	7532	11365	9634	7347
		4	.3240	3293	1680	1748
		S	3744	3844	3477	1265
	Dodge Diplomat	P	11832	24331	(658)	130
	- '	4	4788	4837	7682	2653
		S	5543	9997.	8690	4958
	Chrys 5th Ave.	P	79441	109971	104744	70597
Trucks:						
-3	Ramcharger		20051	29643	13722	17833
	B-Vans/Hagons	T	69692	70818	64230	69582
		Ú		233	61	304
	D-Pi:k-ups/Cabs	Ť	66301	91470	67270	61137
	2,000	ù		457	55	226

* Ingine Codes are as follows:

CGr: Pestandard 2bb1 heavy duty 2bb1 S= 4bb1 Truck: T= 2bb1 U= 4bb1

<u>MARYANY CLAIMS</u>: Chryslem's March 2, 1987 response stated "Chryslem's warranty curbilation system does not assign description categories or codes based as symptoas such as described in your systement of alleged defect ishall refer to the alleged loss, failure, maintuction, or inadeouste performance of the brake system, brake power assist, and alleged "occurrences" of hard brake poeall." However, a compilation of warranty claim data was provided by Chrysler-which highty bertain to the intent of your (DDI inquiry.

Analysis of thi data did not indicate the presence of a lately def.

RECALLS: Chrysler has issued no recalls relating to the alleged defect in the U.S.

In October 1986, Chrysler ricalled 67,602 1986 through 1987 Canadian market vehicles Doutped with the 5.21 engine for intermittent lost of power brake assist on a second application o⊆the brake pedal. The defect was a result of the brake booster vacuum hose port in the base of the carburetor being blocked with frozen moisture after an extended of

of highwords ig low ambient temporal res. To prevent this fect composition in exaction in record the brake booster was relocated from the base of one carburetor to the intake manifold.

Interior stated in it: isponse dated lecemb. 2, 1987. 'Chrysle: las not considered conducting a recal of any lature for the subject condition on U.S. vehicles. It is our evaluation that no such action is necessary.

SERVICE BULLETINS: On November 16, 1987 Chrysler issued an Advanced Service Information Letter to all Chrysler Zone Service Offices. This letter provides an explanation of Chrysler's Canadian power brake assist recall and the Lecessary corrective actions to be taken should a U.S. whicle exhibit similar conditions.

<u>BESIGN. MATERIAL. AND/OP PRODUCTION PODIFICATIONS</u>: Chrysler relocated the brake posster vacuous source from the Carburator to the third manifold on S.2L equipped vehicle: during 1987 model year production — early in the model year on the subject truck models and late in the model year on cars. This modification is the same as done on the recalled Canadian market vehicles.

ISTING: N/A

ADDITIONAL INFORMATION: Chrysler contacted each of the consumers which alleged a loss of power brak; assist while driving in extremely cold; weather and arranged for vacuum source relocation service of each of their respective vehicles.

HARNING SYMPTOMS: There appears to a no warning symptoms immediately prior to an alleged defect occurrence.

CONTENBUTING FACIOSS: It appears that the alleged defect occurs ally during extended periods of highway driving in extremely cold temperature: The four reports provided by Chrysler all occurred in what would normally be considered extremely cold winter temperature states. The states were-Alaska, Misconsin, Montana, and Minnesota.



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<u>URE_MODES</u>: Lost of power brake as ist after infinal brake podd application as a result of the brake booster vacuum hose por in the use of the carburetor being blocked with frozen moisture after an extended period of highway driving at low ambien: temperatures.

MANUFACURERS EVALUATION OF THE ALLEGED DEFECT: Chrysler's letter of March 2, 1987, describes its evaluation of the alleged defect. "we concluded that potential occurrences of the condition in the U.S. market were isolated, if any, and did not represent an unreasonable risk to motor vehicle safety." It maintains that the differences in problem reporting, weather, and emission systems between U.S. and Canadian market vehicles is significant enough not to warrant a recall of U.S. market vehicles.

RESSON FOR CLOSING: Alimough the allegad defect may occur on subject. weblicles operated in extremely cold climates. "a nature and scope of the compalaints does not indicate that a safety defect trend is present. The reports, provided by Chrysler. of accumum line freezing and the resultant loss of power brake assist appear to be isolated occurrences. No defect trend has been identified.

Safety Defects Engineer

I concur:

Chief Engineering and Test Branch

Chief Opfect Defection Division

Date

2/21/22

Chief Opfect Defection Division

3 1-55

Director. Office of Defects Investigation

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